

BIOCHEMICALS ORGANIC COMPOUNDS

1990

DIAGNOSTIC REAGENTS

TOLL FREE ORDERING

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BEST AVAILABLE CO

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and on page 3.

SIGMA®

ALPHABETICAL
LIST

BIOACTIVE
PEPTIDES

IMMUNO-
CHEMICALS

MOLECULAR
BIOLOGY

TISSUE
CULTURE

OTHER
PRODUCT
GROUPS

EQUIPMENT
BOOKS AND
SUPPLIES

DIAGNOSTIC
KITS AND
REAGENTS

SIGMA[®]

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ALPHABETICAL LIST OF COMPOUNDS

PRODUCT
NUMBER

US \$

OLEYL OLEATE

See: Oleic Acid Oleyl Ester Page 775

OLEYL PALMITATE

See: Palmitic Acid Oleyl Ester Page 785

OLEYL STEARATE

See: Stearic Acid Oleyl Ester Page 951

OLIGODEOXYADENYLIC ACID

(Oligo d(pA)_n, where n = 2 to 9)

Oligodeoxyadenylates are prepared by enzymatic degradation of poly(dA) and fractionation by ion-exchange chromatography. Each is about 25-35 A₂₆₀ units per mg solid. Usual purity 90% by HPLC, although a few items might be available only with lower purity which will be indicated on the label.

Unit Definition: One unit will yield an A₂₆₀ of 1.0 in 1.0 ml of 0.1 M NaCl, 0.02 M Tris-HCl, pH 7.0 (1 cm lightpath).

O 4128	d(pA) ₂ Ammonium Salt	5 units	17.55
		25 units	69.20
O 4253	d(pA) ₃ Ammonium Salt	5 units	21.25
		25 units	83.80
O 4378	d(pA) ₄ Ammonium Salt	5 units	23.65
		25 units	93.30
O 4503	d(pA) ₅ Ammonium Salt	5 units	26.10
		25 units	103.10
O 4628	d(pA) ₆ Ammonium Salt	5 units	26.70
		25 units	105.45
O 5753	d(pA) ₇ Ammonium Salt	5 units	29.00
		25 units	114.55
O 5878	d(pA) ₈ Ammonium Salt	5 units	30.10
		25 units	123.60
O 6003	d(pA) ₉ Ammonium Salt	5 units	35.20
		25 units	139.15

OLIGODEOXYCYTIDYLIC ACID

(Oligo d(pC)_n, where n = 3 to 36)

Oligodeoxycytidylates are prepared by enzymatic degradation of poly(dC) and fractionation by ion-exchange chromatography. Each is about 15-25 A₂₇₀ units per mg solid.

Unit Definition: One unit will yield an A₂₇₀ of 1.0 in 1.0 ml of 0.1 M NaCl, 0.02 M Tris HCl, pH 7.0 (1 cm light path).

O 8628	d(pC) ₃ Ammonium Salt	5 units	39.05
O 8753	d(pC) ₄ Ammonium Salt	5 units	31.00
O 8878	d(pC) ₅ Ammonium Salt	5 units	34.45
O 5253	d(pC) ₆ Ammonium Salt	5 units	39.30

(Continued)

PRODUCT
NUMBER

US \$

(Continuation of)

OLIGODEOXYCYTIDYLIC ACID

O 5378	d(pC) ₇ Ammonium Salt	5 units	41.35
O 5503	d(pC) ₈ Ammonium Salt	5 units	43.65
O 5628	d(pC) ₉ Ammonium Salt	5 units	49.90
O 6878	d(pC) ₁₀ Ammonium Salt	5 units	55.60
O 2004	d(pC) ₁₀₋₁₅ Ammonium Salt	5 units	51.60
O 9003	d(pC) ₁₁ Ammonium Salt	5 units	52.55
O 9128	d(pC) ₁₂ Ammonium Salt	5 units	56.80
O 9253	d(pC) ₁₃ Ammonium Salt	5 units	58.95
O 9378	d(pC) ₁₄ Ammonium Salt	5 units	61.65
O 9503	d(pC) ₁₅ Ammonium Salt	5 units	68.30
O 2129	d(pC) ₁₅₋₂₀ Ammonium Salt	5 units	55.10
O 9628	d(pC) ₁₆ Ammonium Salt	5 units	68.80
O 9753	d(pC) ₁₇ Ammonium Salt	5 units	71.10
O 9878	d(pC) ₁₈ Ammonium Salt	5 units	71.70
O 0629	d(pC) ₁₉ Ammonium Salt	5 units	72.80
O 0754	d(pC) ₂₀ Ammonium Salt	5 units	74.50
O 0879	d(pC) ₂₁ Ammonium Salt	5 units	76.80
O 1004	d(pC) ₂₂ Ammonium Salt	5 units	77.40
O 1129	d(pC) ₂₃ Ammonium Salt	5 units	78.00
O 1879	d(pC) ₂₄₋₃₆ Ammonium Salt	5 units	63.10

PRODUCT
NUMBER

OLIGODEOXY

O 4376

OLIGODEOXY

See: Olig

OLIGOMYC

O 4876 From St

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approx.

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ALPHABETICAL LIST OF COMPOUNDS

US \$

ACID

5 units 41.35

5 units 43.65

5 units 49.90

5 units 55.60

5 units 51.60

5 units 52.55

5 units 56.80

5 units 58.95

5 units 61.65

5 units 68.30

5 units 55.10

5 units 68.80

5 units 71.10

5 units 71.70

5 units 72.80

5 units 74.50

5 units 76.80

5 units 77.40

5 units 78.00

5 units 63.10

PRODUCT

NUMBER

OLIGODEOXYGUANYLIC ACIDS

0 4376

OLIGODEOXYTHYMIDYLIC ACID

See: Oligothymidyllic Acid Page 778

0 4876

OLIGOMYCIN

From Streptomyces 5 mg 19.75

diastatochromogenes 25 mg 77.85

A mixture of oligomycins 100 mg 238.95

A, B, and C. 250 mg 498.10

Minimum 90% total oligomycins by HPLC,

approx. 65% oligomycin A.

Composition given on label.

US \$
Inquire

PRODUCT

NUMBER

OLIGOMYCIN A

0 5001 Crystalline

1 mg 10.80

5 mg 34.15

25 mg 111.30

OLIGOMYCIN B

0 5126 Crystalline

1 mg 23.70

5 mg 77.40

25 mg 253.45

OLIGOMYCIN C

0 5251 Crystalline

1 mg 51.80

5 mg 170.80

25 mg 569.45

OLIGONUCLEOSIDES and OLIGONUCLEOTIDES

See category index in front and individual compounds in Main Alphabetical Listing.

Oligonucleotide
Products

See Product Groups
following the main Alphabetical List
beginning on page 1628

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For information on the use of this price list see page 7...

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ALPHABETICAL LIST OF COMPOUNDS

PRODUCT NUMBER US \$

OLIGONUCLEOTIDE SYNTHESIS - A PRACTICAL APPROACH

See Equipment, Books and Supplies Section.

OLIGOSACCHARIDES

For a list of synthetic specialty oligosaccharides and derivatives, See: Bioactive Carbohydrates

OLIGOTHYMIDYLIC ACID

(d(pT)_n, where n = 2 to 24)
One mg of solid is equivalent to about 19-25 A₂₆₅ units. Oligomers d(pT)_n through d(pT)₂₄ have purities greater than 95% by HPLC. The higher polymers (n=10 through n=19-24) are greater than 90% by HPLC, unless otherwise indicated. The higher and lower homologs of each oligomer are found as impurities.
Unit Definition: One unit will yield an A₂₆₅ of 1.0 in 1.0 ml of 0.1 M NaCl, pH 7.0 (1 cm lightpath).

O 6002	d(pT) ₂ Ammonium Salt	5 units	18.10
		25 units	72.10
O 2503	d(pT) ₃ Ammonium Salt	5 units	24.10
		25 units	95.10
O 3003	d(pT) ₄ Ammonium Salt	5 units	24.10
		25 units	95.10
O 3128	d(pT) ₅ Ammonium Salt	5 units	24.10
		25 units	95.10
O 3253	d(pT) ₆ Ammonium Salt	5 units	26.10
		25 units	105.10
O 3378	d(pT) ₇ Ammonium Salt	5 units	30.10
		25 units	119.10
O 3503	d(pT) ₈ Ammonium Salt	5 units	30.10
		25 units	119.10
O 3628	d(pT) ₉ Ammonium Salt	5 units	36.10
		25 units	149.10
O 3753	d(pT) ₁₀ Ammonium Salt	5 units	42.10
		25 units	173.10
O 2380	d(pT) ₁₁ Sodium Salt	5 units	58.10
		25 units	231.10
O 8504	d(pT) ₁₂ Sodium Salt	5 units	59.10
		25 units	238.10
O 7129	d(pT) ₁₂₋₁₄ Lithium Salt	5 units	35.90
		25 units	149.10
O 8379	d(pT) ₁₄ Sodium Salt	5 units	75.50
		25 units	302.85
O 8254	d(pT) ₁₄ Sodium Salt	5 units	75.50
		25 units	302.85
O 8629	d(pT) ₁₈ Sodium Salt	5 units	75.50
		25 units	302.85
O 7754	d(pT) ₁₈₋₂₄ Sodium Salt	5 units	84.10
		25 units	338.30

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For shipping restrictions and cost of FOB items see page 5.

PRODUCT NUMBER

NUMBER	OLIGO dT-CELLULOSE	50 mg	9.80
O 7751	Cellulose with a mixture of	100 mg	14.80
CDC	polythymidylic acid chains, up to	250 mg	28.95
	18 nucleotides long, covalently	1 g	77.15
	attached via the terminal	5 g	305.20
	5'-phosphoryl end.		
	Prepared essentially by the method of Gilham, J.		
	Am. Chem. Soc., 86, 4982 (1964).		
	One gram will bind 20-40 A ₂₆₀ units of Poly A at		
	0°C, pH 7.5 in 0.5 M NaCl.		
	See also: Molecular Biology Reagents	Page 1257	

OLIVACINE



Inquire

O 6252

	OLIVE OIL (pfs)	25 ml	4.90
O 1500	Highly refined; low acidity	100 ml	6.95
(ET)	1 ml = approx. 0.91 g.	500 ml	11.40
	Suitable for preparing a lipase substrate. Also see Sigma lipase substrate, an olive oil emulsion, for the determination of serum lipase.		FOB Sigma
	See Diagnostic Kits and Reagents Section.		

OLIVE OIL EMULSION

See: Sigma Lipase Substrate Page 936

 O 8250 	OLIVETOL (pfs)	250 mg	6.05
	(3,5-Dihydroxypentylbenzene;	1 g	12.85
	5-Pentylresorcinol)	5 g	49.10
	Crystalline	10 g	82.90
Supplied only to established institutions. Telephone and telegraph orders not accepted.			

O 6126	OLIVOMYCIN (pfs) From Streptomyces olivoreticuli Approx. 75%	1 mg	15.60
		5 mg	61.50
		FOB Sigma	

OMADINE

A proprietary name for 1-Hydroxypyridine-2-thione Page 597

OMEGA

See: Octanoyl-N-methylglucamide Page 1504

OMP

See: Orotidine 5'-Monophosphate Page 781

OPD

See: o-Phenylenediamine Page 808

O 1380	OPHIOBOLIN A	1 mg	19.85
	(Cochliobolin A)	5 mg	77.60
	From Helminthosporium sp.	10 mg	139.50
From Helminthosporium sp.			
Approx. 95% by HPLC			
An inhibitor of Calmodulin			
Ref.: 1. Leung, P.C., et al., J. Biol. Chem., 259, 2742 (1984).			
2. Canonica, L., et al., Tet. Lett., 11, 1211 (1966)			

OPIUM

See: Controlled Substances Page 1529

O 8126	ORANGE II (pfs) (C.I. 15510; Acid Orange 7; p-[(2-Hydroxy-1-naphthyl)azo]-benzenesulfonic acid) Sodium Salt Dye content: Approx. 75% See also: Biological Stains, Certified Page 1507	25 g	6.30
		100 g	13.50

O 7629	ORANGE IV (C.I. 13080; Acid Orange 5; 4-[p-Anilinophenylazo]benzene-sulfonic acid sodium salt; Tropaeolin OO) See also: 4-(4-Anilinophenylazo)benzenesulfonic Acid Page 183	25 g	8.10
		100 g	28.80

PRODUCT NUMBER

O 1625	ORANGE G (pfs) (C.I. 16231) 7-Hydroxy-1,3-naphthyl Sodium Salt Dye content: See also: B		

ORANGE PEI

O 4752

See also: B

ORCEIN (pfs)

O 7380	(Natural F Synthetic) See also: I tified Pag		

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